MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE

DOMINION OF CANADA

JANUARY 1933

TEMPERATURE

The month was very cold in the middle Mackenzie valley, the Yukon and the adjacent portion of Alaska where the normal mean temperature was not reached by six to ten degrees. During the intense cold wave of the first ten days the temperature fell below minus fifty Fahrenheit and during the cold wave at the close of the month went below minus sixty at Dawson City. From Lake Athabaska to Churchill and thence southeastward along the coast of Hudson Bay to Moosonee temperatures averaged only slightly below normal. On the Pacific coast the mean temperature of the month was one to three degrees below normal.

Elsewhere in Canada the month was warmer than usual. The most unusual mildness occurred in Quebec north of the Ottawa and St. Lawrence rivers where normal temperatures were exceeded by fifteen to nineteen degrees. In southwestern Ontario the excess over normal temperatures ranged from eight degrees in the region of Lake St. Clair to fifteen degrees in the Ottawa valley. In the Atlantic coast region the excess ranged from six to ten degrees.

The normal mean temperature was exceeded by two degrees at the western entrance of Hudson Strait and by six degrees at the eastern entrance. On the northern margin of the western grain region temperatures averaged slightly below normal but in the southern parts of Manitoba, Saskatchewan and Alberta there was an excess of two to eight degrees. A similar excess occurred in the southern interior valleys of British Columbia. On the shore of the Arctic ocean east of the Mackenzie valley and west of Hudson Bay there was an area considerably warmer than usual.

PRECIPITATION

On the Pacific coast, on Vancouver Island, and in the lower Fraser valley the precipitation was generally well above normal. The general tendency in the interior of British Columbia was to less than the normal precipitation. Locally, however, the normal amount was exceeded on account of heavy snow. Over the western grain region precipitation was nearly normal with slight excess in the Peace River district, in Manitoba and eastern Saskatchewan and slight deficiency in southern Alberta and western Saskatchewan.

In northwestern Ontario the amount was about normal on the whole although there was an excess in the Lake of the Woods region and from Lake Temiskaming north to James Bay. In southern Ontario not much more than half the normal amount was recorded.

In the region of the lower St. Lawrence there was an excess of more than fifty per cent. of the normal but elsewhere in Quebec the precipitation was somewhat irregular with both deficiencies and excesses locally.

In northern New Brunswick and part of the Annapolis valley of Nova Scotia precipitation was moderately below normal but in southeastern New Brunswick, the Basin of Minas region of Nova Scotia, on Prince Edward Island and in Cape Breton Island there was a moderate excess.

A. J. CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Tm is the mean temperature of the current month; Column Sg denotes depth of snow on ground in inches where given.

BRITISH COLUMBIA

STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm	STATION	H	L	P	I	Tm
Prince Rupert	46°	21°	9.8		34°	New Westminster	53°	25°	11.3			Kaslo	42°	5°	4.2		
Estevan Point			16.3		39°	Agassiz	51°	23°	12.2	33		Cranbrook	40°	-10°	1.7		
Victoria	58°	29°	5.2	66	39°	White Rock	51°	26°	5.8			Greenwood	47°	-18°	2.3		
Goldstream Lake			13.6			Salmon Arm	47°	8°	1.6	34		Windermere	41°	-3°	0.5	73	
Sooke	49°	23°	9.5			Summerland	49°	10°	0.8	56		Field	34°	-14°	2.8		
Shawnigan Lake	50°	19°	6.4			Penticton	50°	12°	0.6			Golden	42°	-14°	2.7		
Duncan	54°	18°	3.6			Oliver	47°	5°	1.8	50		Revelstoke	44°	2°	5.6		
Nanaimo	51°	28°	5.5	58		Kamloops	48°	9°	0.3	48	30°	Glacier	33°	-13°	12.9		
Port Alberni	50°	24°	11.5			Vernon	46°	11°	0.9	46		Prince George	42°	-25°	2.3	42	18°
Vancouver	50°	25°	9.6	37	37°	Fernie	43°	-9°	10.5								

ALBERTA, SASKATCHEWAN, AND MANITOBA

STATION	H	L	P	I	Tm	Sg.	STATION	H	L	P	I	Tm	Sg.
Fairview	42°	-28°	1.6	43	-2°		Cadillac	45°	-16°	T			4
Beaverlodge	41°	-27°	1.5	54	3°		Rosetown,	39°	-30°	0.2			3
Edmonton	42°	-18°	0.4	81	5°	6	Whitewood	37°	-31°	1.2			
Calgary	52°	-15°	0.4	108	16°		Grenfell	35°	-25°	0.8			15
Medicine Hat			0.5	95	19°	1	Francis	33°	-24°	0.5			8
Battleford	39°	-38°	0.4		-3°	7	Brooksby	37°	-35°	1.4			18
Prince Albert	38°	-37°	1.0		-3°	10	Treesbank (St. Albans)	40°	-25°	0.9			12¼
Moose Jaw	45°	-26°	0.4	86	8°		Birtle	39°	-30°	0.5			14
Scott	34°	-36°	0.7	72	1°		Brandon	35°	-30°	0.6	89		12
Qu'Appelle	38°	-31°	0.8	80	4°	10	Treherne	36°	-22°	0.7			13
Swift Current	46°	-16°	0.6	111	14°	3	Graysville	38°	-27°	0.8			12
Waseca	39°	-35°	0.3			8	Morris	14°	-30°	1.2			36
Dundurn	39°	-38°	0.4			4	Minnedosa	39°	-29°	0.9		1°	12
Aneroid	45°	-17°	T			T	Winnipeg	33°	-31°	1.0	71	2°	
Muenster	35°	-17°	T			9	Ninette	39°	-20°	1.0			

ONTARIO

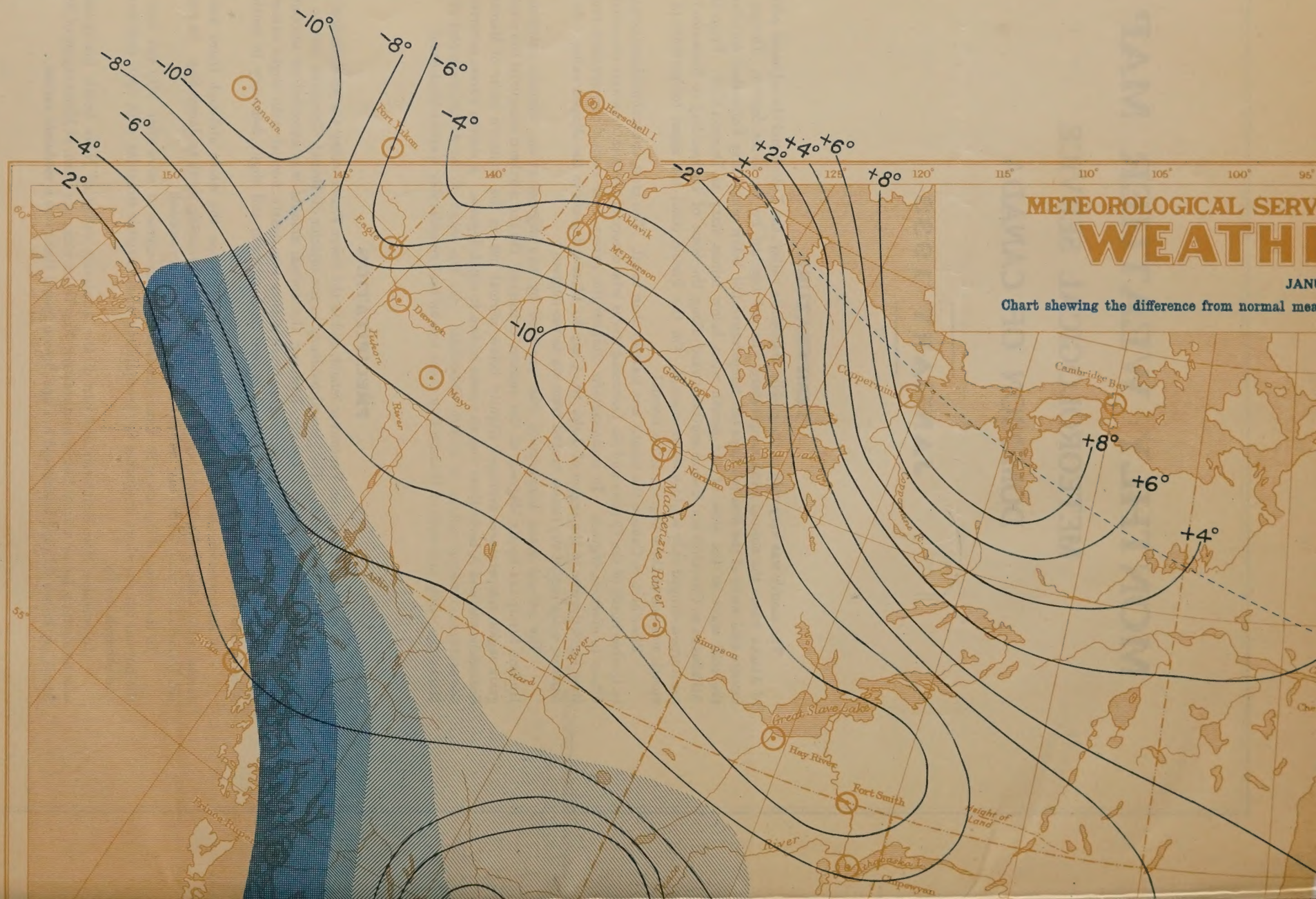
Kenora	28°	-33°	2.5				Paris	54°	7°	2.1		48°	
Sioux Lookout			0.2		2°	24	Port Dover	54°	12°	1.5		39°	
Port Arthur	38°	-26°	1.1		13°	11	Brucefield	55°	7°	0.9			0
Quorn	33°	-48°	1.6			25	Harrow	56°	10°	1.2	93	34°	
Ruel	38°	-29°	0.6				Stratford	55°	5°	1.3		30°	0
Cochrane	34°	-29°	2.0	81	6°	16	London	56°	7°	1.4		32°	0
White River			1.6		6°	23	Toronto	55°	5°	1.6	94	34°	
Haileybury	41°	-18°	2.0	55	14°	5	Bloomfield	52°	8°	1.1			0
Parry Sound	44°	-7°	1.6		26°	2	Kingston	50°	-3°	1.2	86	31°	0
Southampton			1.9		30°	T	Brockville	50°	-5°	1.2	123	29°	0
Lucknow	50°	10°	3.2			0	Morrisburg	48°	-5°	2.1			3
Beatrice	45°	-15°	1.9		24°		Peterboro'	52°	-5°	1.9			1
Beeton	52°	0°	1.2		30°	½	Ottawa (Exp. Farm)	44°	-13°	1.4	105	23°	T
Mount Forest	49°	-2°	1.4	88	27°	¾	Renfrew	42°	-16°	1.1		19°	0
Walkerton	52°	13°	1.7		26°	0	Pembroke	44°	-11°	1.3		24°	2
Alton	51°	0°	2.0		27°		Clontarf	47°	-14°	1.5		24°	2
Woodstock	55°	7°	1.4	104	31°	T							

QUEBEC

STATION	H	L	P	I	Tm	Sg.	STATION	H	L	P	I	Tm	Sg.
Cedars	46°	-4°	2.3			4	Maniwaki	42°	-14°	1.2		22°	1
Macdonald College	46°	-5°	3.3		24°	5½	Donnacona	43°	-14°	3.4		19°	6
Montréal	47°	-5°	2.1	84	26°	3	Cap Rouge	45°	-16°	2.9	70	18°	23
Farnham	48°	-5°	2.2	82	26°	3	St. Joachim	41°	-16°	3.5	124	20°	12
Brome	47°	-9°	3.3		25°	7	Armagh	40°	-14°	2.6			
Lennoxville	47°	-7°	2.9	73	24°	2	Québec	42°	-9°	3.0	78	20°	6½
Sherbrooke	47°	-5°	2.3	80	25°	3	Ste. Anne de la Pocatiére	45°	-6°	3.8	59	21°	18
Lake Mégantic	43°	-11°	1.7		24°	7	Roberval	40°	-20°	2.4		8°	10
Drummondville	46°	-12°	3.5		21°	5	Albanel	40°	-36°	1.2	74		18
St. Gabriel de Brandon	38°	-6°	1.7			6	Abitibi	35°	-26°	1.9		4°	29
Sorel	43°	-8°	1.8		20°	2	La Ferme	36°	-35°	2.5	36	8°	30
Huberdeau	43°	-13°	2.0		22°	1½	Joliette	42°	-9°	1.8			6
St. Lin							Sanmaur	39°	-38°	2.7	55	11°	25
des Laurentides	40°	-8°	5.0		22°	6	Dolbeau			2.4		18°	
Nicolet	42°	-8°	2.7		23°	3	Doucet	43°	-16°	4.3		16°	
Beauceville	45°	-10°	3.0		23°	6	St. Paul Island			2.9		26°	
Mont Laurier	45°	-15°	1.3		21°	4	Anticosti S.W. Pt.			2.5		17°	
							Harrington			0.6			

ATLANTIC PROVINCES

Bathurst	43°	-14°	2.9		17°		McAdam Junction	46°	-5°	3.9		22°	5
Chatham	46°	-9°	2.4		20°	12	Musquash	47°	1°	3.8		25°	7
Chipman	48°	-9°	4.4		21°		Saint John	47°	0°	4.4	96	29°	8
Edmundston	38°	-16°	2.1		17°	18	Annapolis Royal	55°	8°	3.4	80	30°	
Grand Falls	42°	-18°	3.0		17°	9	Digby	57°	3°	2.4		30°	
Aroostook	42°	-10°	1.8		18°	5	Yarmouth	49°	12°	4.3		32°	3
Fredericton	48°	-5°	3.1	91	21°	8	Liverpool	55°	9°	6.8		31°	
Fredericton (Experimental Farm)	49°	-6°	3.7	90	23°	5	Kentville	52°	7°	4.9	79	28°	
Gagetown	48°	-3°	3.7			8	Wolfville	53°	7°	4.7	89	28°	3
Woodstock	45°	-10°	1.9		23°	5	Nappan	50°	0°	3.9	79	25°	
Moncton	50°	-2°	4.6		23°		Upper Stewiacke	51°	-5°	3.9		28°	2
Harvey	46°	-5°	3.2		22°	13	Halifax	52°	9°	4.3		30°	1
Sussex	52°	-1°	3.2		26°		Sydney			6.7		28°	2
Richibucto	48°	-5°	4.9		21°	12	Truro	56°	0°	2.9		26°	
							Charlottetown	45°	2°	3.8		25°	6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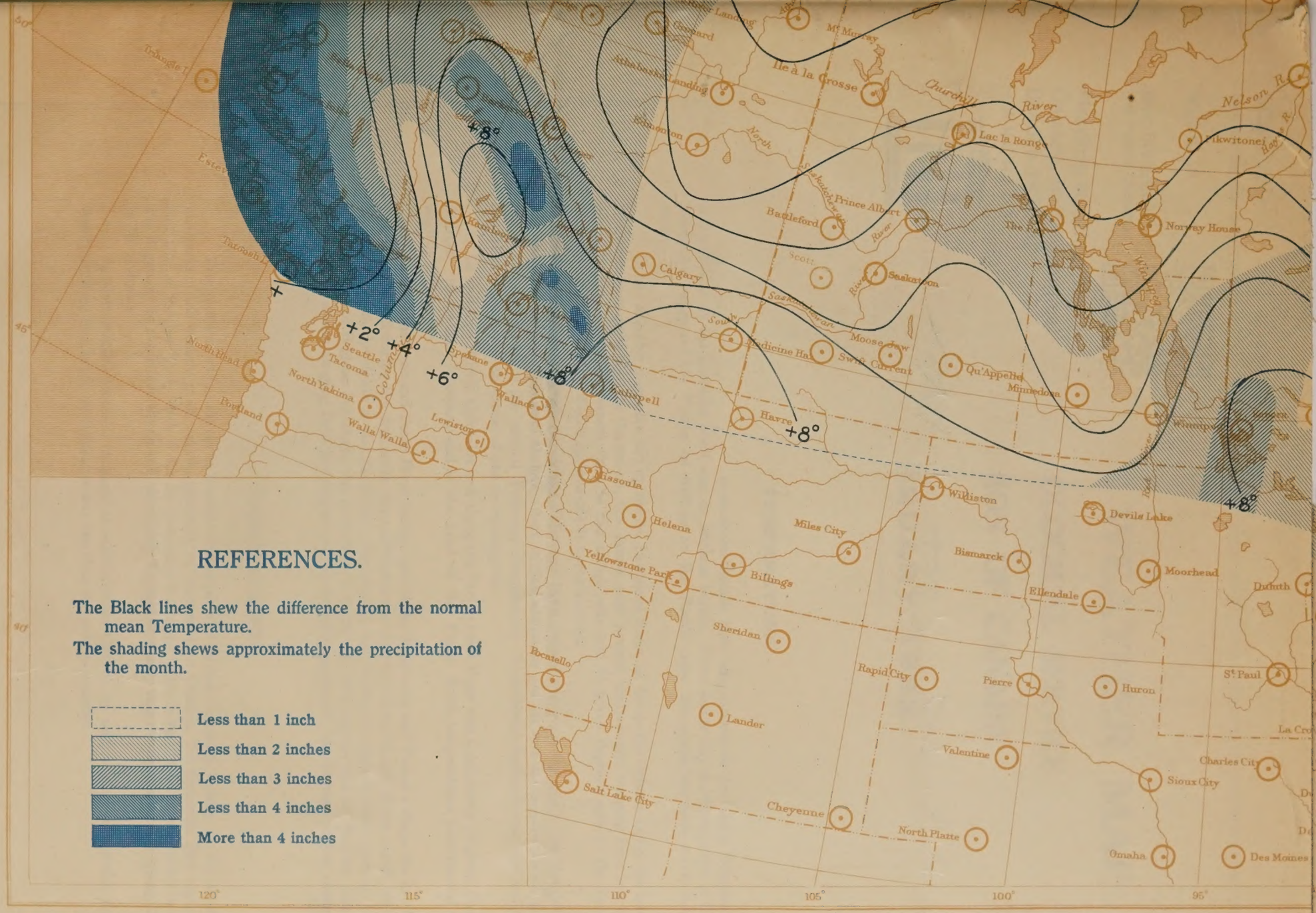
WEATH
JAN
Chart shewing the difference from normal mea
-10°
-8°
-6°
-4°
-2°
+2°
+4°
+6°
+8°
Herschell I.
Aklavik
McPherson
Eagle
Dawson
Yukon
River
Mayo
Good Hope
Norman
Mackenzie River
Simpson
Liard
River
Fort Yukon
Fortuna
Cambridge Bay
Coppermine
Great Slave Lake
Hay River
Fort Smith
Height of Land
River
Chipewyan
Prince Rupert
150°
140°
120°
115°
110°
105°
100°
60°
55°



REFERENCES.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch
- Less than 2 inches
- Less than 3 inches
- Less than 4 inches
- More than 4 inches

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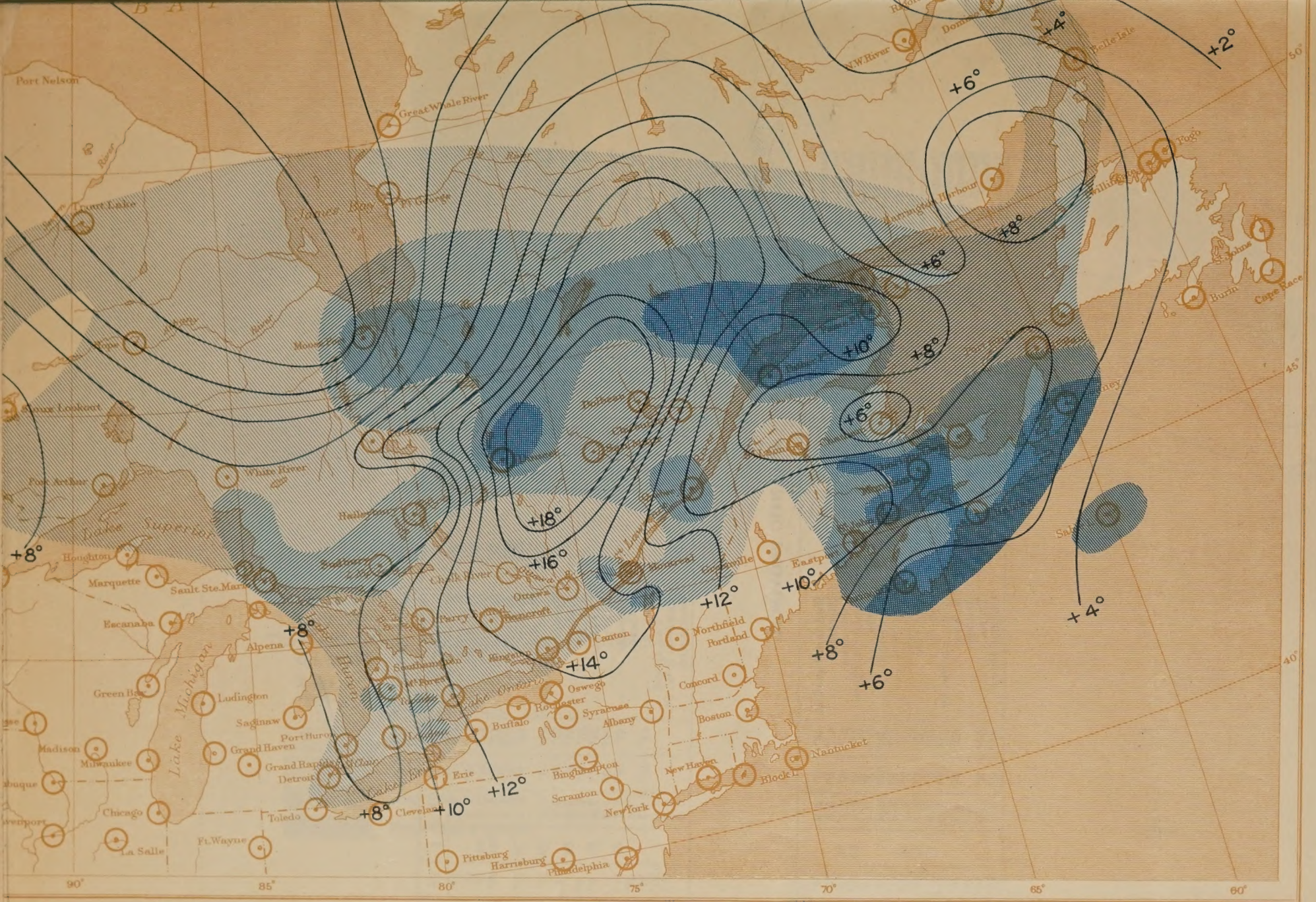
ARY, 1933
temperature, and total precipitation of the month.
Ellesmere Island
Pond Inlet
Godhaven
Angmagssalik
Godthaab
Julianehaab
Pangnirtung
Resolution
Nottingham I.
Cape Wolstenholme
Wakeham
Hope Advance
Port Chimo
Port Harrison
Nain
Leaf R.
HUDSON'S
+2°
+4°
+6°
-2°
-4°
-6°


+2°
+4°
+6°
+8°
+10°
+12°
+14°
+16°
+18°
Port Nelson
Great Whale River
Lower Lake
White River
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Grand Haven
Grand Rapids
Detroit
Milwaukee
Madison
Chicago
Toledo
Cleveland
Erie
La Salle
Ft. Wayne
Buffalo
Oswego
Rochester
Syracuse
Albany
Canton
Binghampton
Scranton
Pittsburg
Harrisburg
Philadelphia
New York
Northfield
Portland
Concord
Boston
New Haven
Block I.
Nantucket
Cape Race
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°